



BUILDING TRUST



ADEKIT A130

ADEKIT H 9930

EPOXY ADHESIVE - QUICK SETTING

DESCRIPTION

Embedding and anchoring of metal rods on hollow or full supports, bonding of decorative elements : facing, tiles etc..., bonding of concrete prefabricated elements (pipes...), reinforcements and repairing of structures

PROPERTIES

- 2 component room temperature cure liquid epoxy adhesive
- Liquid product suitable for injection
- Fast setting product adapted to reduce assembly time
- Excellent mechanical performances

PHYSICAL PROPERTIES				
Composition	RESIN	HARDENER	MIX	Method
Mix ratio by weight	100	100		
Mix ratio by volume at 25°C	100	100		
Colour	Off-white	Clear yellow	Light amber	
Viscosity at 25°C, Pa.s	60	30	45	
Density at 25°C ^(AKP)	1.15	1.15	-	LT-020
Density of mixed product at 23°C	-	-	1.15	ISO 2781
Pot life at 23°C on 100 g, min ^(AKP)	-	-	4'15 – 5'45	LT-002-B
Open Time on 7 mm bead at 23°C, min	-	-	5 - 6	LT-006-B

(AKP): Axson Key Properties. These values are enclosed in Certificate Of Analysis.

MECHANICAL PROPERTIES

Hardness, Shore D* ^(AKP)	73	LT-022
Tensile strength, MPa **	54	ISO 527
Elongation at break, % **	3.5	
Young Modulus, MPa **	3400	
Recommended application temperature, °C	15 - 25	-
Working temperature, °C ***	-40 to 120	LT-006-B

*cured 30 minutes at room temperature.

**cured 16H at 70°C.

*** Working temperature is defined as the temperature at which product keeps 80% of its initial Lap Shear Strength after 1000 hours ageing at this temperature, value on Aluminium, measured at 23°C.



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HANDLING TIME

Handling time			
At 23°C	12	min	LT-006-B

Handling time is defined as the time needed to obtain Lap Shear Strength on Aluminum at 23°C, of 1MPa.

MECHANICAL PROPERTIES ON ASSEMBLIES (Cured 16H at 70°C)

Lap Shear Strength at 23°C				
Aluminium 2017A sandblasted		17.5 AF	MPa	LT-006-B
	After wet cataplasme 7days 70°C/100% RH	14 AF		
	After 15 cycles D3**	14 AF		
Stainless Steel 304 sandblasted		20 AF		
	After wet cataplasme 7 days at 70°C/100% RH	17 AF		
Electro galvanised Steel sandblasted		17.5 AF		
Electro galvanised Steel Acetone wipe		11.5 AF		
ABS Sanded + Isopropanol		3.5 SF		
PC Sanded + Isopropanol		4 SF		
PVC Sanded + Isopropanol		5 SF		
PMMA Sanded + Isopropanol		4 SF		
PAGE Sanded + Isopro+Plastic primer*		2 AF		
GFR Polyester Isopropanol wipe		7 DF		
GFR Epoxy Isopropanol wipe		13 AF		

AF: Adhesive Failure,

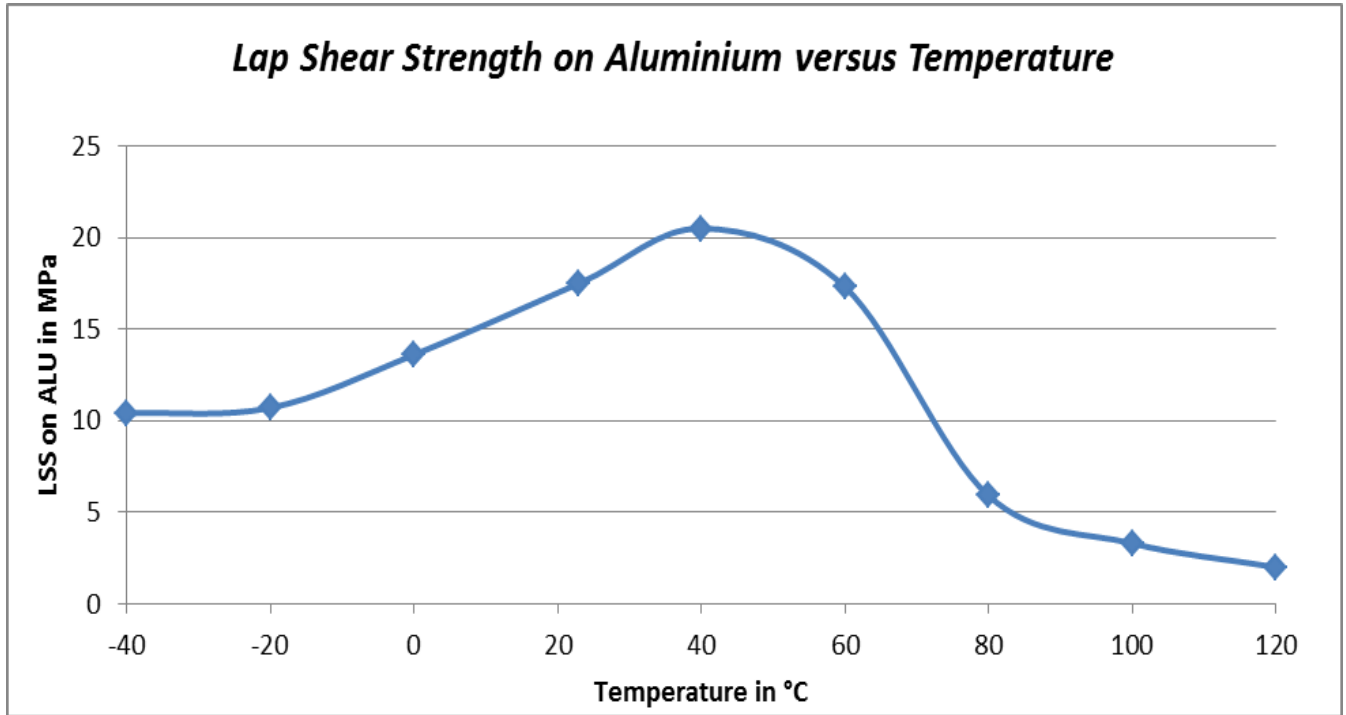
SF: Substrate Failure,

DF: Delamination Failure, according to EN ISO 10365 Standard.

*Plastic sanded, Isopropanol wiped and coated with AXSON Plastic Primer.

**Cycle D3: exposition cycle in the heat, in the cold and in the humidity according to ISO 9142 standard.

Floating roller Peel Strength at 23°C				
Aluminum 2017A sandblasted		1.5	KN/m	ISO 4578



EQUIPMENT

ADEKIT A 130 is packaged in 50 ml cartridges and requires a manual or pneumatic gun. Please consult our technical department for applications needing a machine.

SUBSTRATE PREPARATION

The item to be bonded must be free of all dirt, oil or other foreign matter. A clean, dry surface is a must. Consult our Technical Support and refer to the technical data sheet about surface preparations to choose adapted degreaser or cleaner

HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products :

- ensure good ventilation
- wear gloves and safety glasses
- wear waterproof clothes

For further information, please consult the product safety data sheet.



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STORAGE CONDITIONS

Shelf life of ADEKIT A130 is **12 months**, of ADEKIT H 9930 Resin is **24 months** and of ADEKIT H9930 Hardener is **12 months**, stored in their original unopened packaging at temperature between +15°C and +25°C.

PACKAGING

A130 / 50ml	Box of 12 cartridges
H9930 Resin & H9930 Hardener	Please consult our Sales Department

GUARANTEE

The information contained in this technical data sheet result from research and tests conducted in our Laboratories under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON guarantee the conformity of their products with their specifications but cannot guarantee the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The responsibility of AXSON is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.

AXSON TECHNOLOGIES Head Office France +33 1 34 40 34 60 axson@axson.fr axson.fr	GERMANY +49 60 74 40 71 10 verkauf@axson.de axson.de	SPAIN & PORTUGAL +34 93 225 16 20 axson@axson.es axson.es	SLOVAKIA +421 37 642 25 26 office@axson-ce.sk axson-ce.sk	NORTH AMERICA +1 517 663 8191 info@axsontech.us axsontech.us	JAPAN +81 564 26 25 91 sales@axson.jp axson.jp	INDIA +91 20 25560710 info.india@axson.com axson.com
	ITALY +39 02 96 70 23 36 axson@axson.it axson.it	U.K. +44 1 638 66 00 62 sales@axson.co.uk axson.com	MEXICO +52 56 52 64 49 22 axson@prodigy.net.mx axson.com.mx	CHINA +86 21 58 68 30 37 china@axson.cn axson.cn	MIDDLE EAST +971 7 2432227 info.middleeast@axson.com axson.com	